FIG. 1 103 120 118 108 Profiles & 100 HTTP Cache Template & Caching Databases Web Cache Server Farm 116 Communications/ Gateway Server Filter Proxy 0000 IP Port Tunnel Landline Dial-in Connection 110 Modem Bank Modem Ħ **IBM** Compatible M 104 106 Mobile Clients 114 12 112 Caching Retreival Win98, NT, 2K, CE, WAP, EPOCH, PalmOS, Server UNIX, & Others (Clients proxied 110 to localhost) Internet/Intranet Devices not limited to those shown CDPD, GPRS (Packet) Caching Wintel Notebook Retreival 104 116 Server 106 GSM, PCS. **ECELLULAR** (Circuit Swiched) IP Port Tunnel Wintel Notebook Filter Proxy Communications/ Gateway Server Web Cache Server Farm GSM, CDMA Profiles & HTTP Cache Wintel Notebook TDMA, POTS Template & Caching (TCP/IP) Databases 108 Hand Held Devices 120 118 102

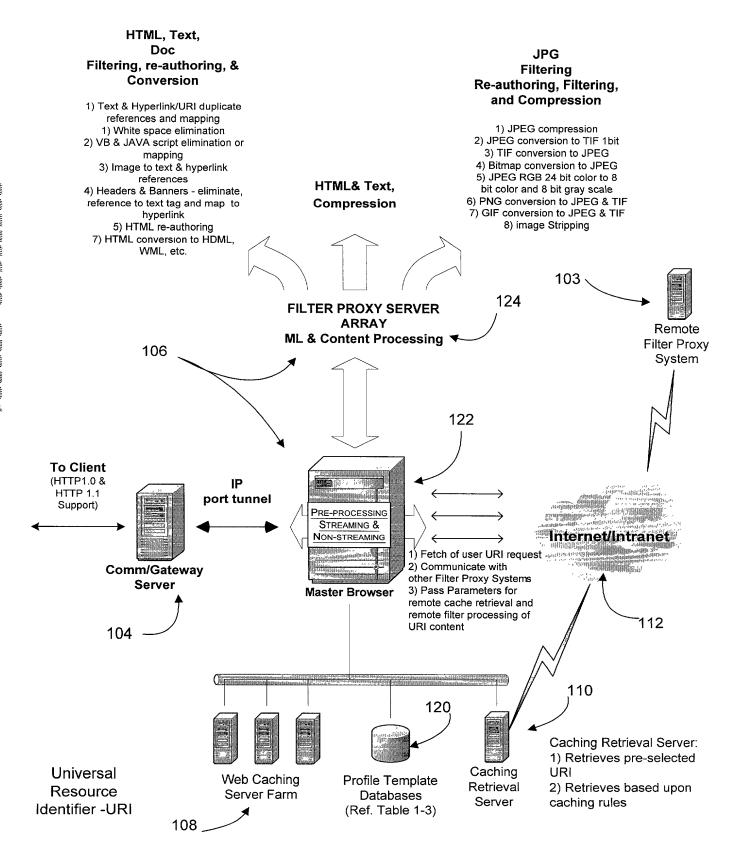


FIG. 3

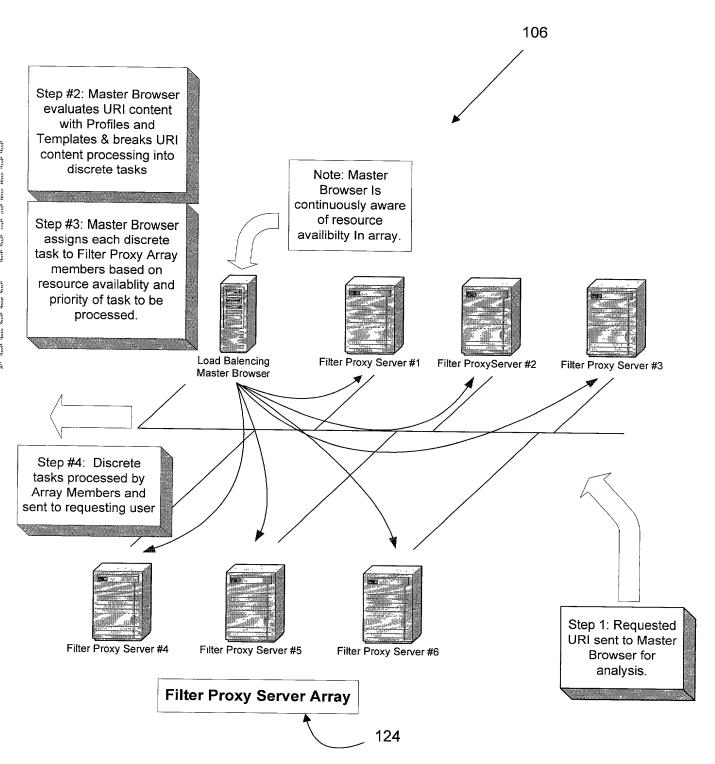
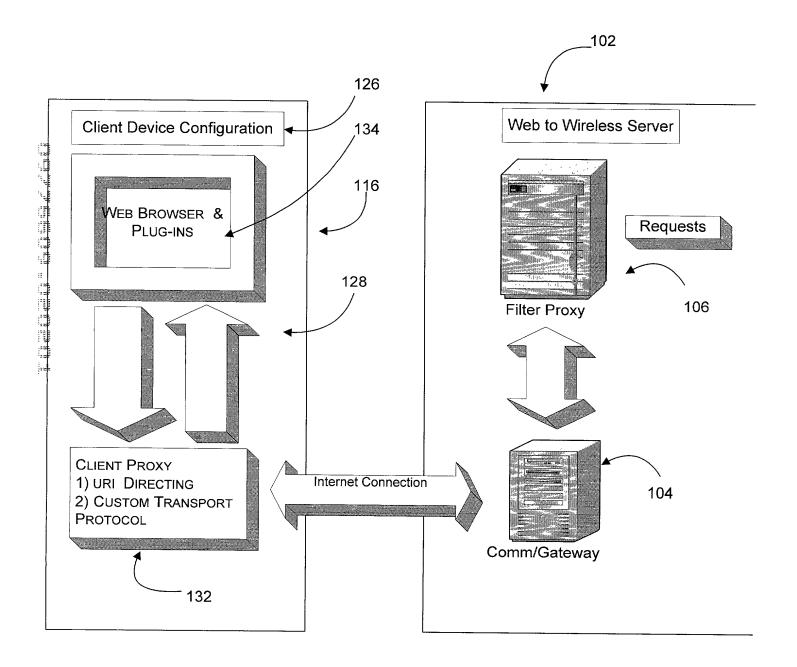


FIG. 4



DVG Profile		
PK	Dvc Name	
	Hardware Profile# Operating System Profile# Browser Profile# Protocol Profile# Image Profile# Text Profile# Vieo Profile#	

Hardware Profile		
PK	Hardware Profile#	
	Available Mem Size Modem - Protocol Processor Video Processor Screen Size Screen Resolution Total Lines Characters/line Key Pad Function	

	DVC Image Profile
PK	Image Profile#
	All standards
	No image
ļ	Color 24 bit
	Color 16 bit
	Color 8 bit
	Gray Scale 8 bit
	BW1 bit
}	JGEG
	TIF
	Bitmap
	Special Image Profile#

	Operating Sytem Profile
PK	Operating System Profile#
	OS Name
	Language Mask
	Compression
	Security Mask
	Plug-in capable

	Text Profile
PK	Text Profile#
	HTML Standards Font Specific Min Font Size Max Font Size

Special Image Profile		
PK	Special Image Profile#	
	Plug-in Name Extension Type	

	Browser Profile
PK	Browser Profile#
	Browser Name Mark-up Language Local/Remote Scripting Applet capable BrowserVersion

	Video Profile
PK	Video Profile#
	Format Data Type Extension Special Plug-in

· 。		HTML Template
PK PK	1 —	RI evice Profile#
art there were they they	Im Te He He So	ax Image Pixel Horizontal lage Position ext Position eaders of Points mapping cript Mapping elete Duplicate URI and Text Ref
the training the training training the training		User Profile
	PK PK	User ID Device IP Code

HTML Template Key
Max Image Horizontal Pixels Size     240
2) Image Position = Rt Allign/
Center/Lf Allign/ No Change
<ol><li>Text Position = Lf Allign+ Wrap/</li></ol>
(Rt+Lf/2) Allign on Margin/Rt
Allign+Wrap/NoChange
4) Text Max Characters = DVC
Profile(Characters/line);
5) Headers = Strip & keep Text/ Strip all
6) Hot Points = Map to text &
Emulate / No Change
7) Delete Duplicate URI references
& Text

	User Profile		
PK PK	User ID Device IP Code		
	Device Profile# No Change Text Only Remove Banners & Headers Compress HTML & Text Text Secuirty JPEG Max compress JPEG to Thmbnail GIF/PNG to JPEG JPEG to Gray Scale, JPEG to 1 bit B/W		

and the same	User URI List
PK	Device IP Code
	URI ML Template

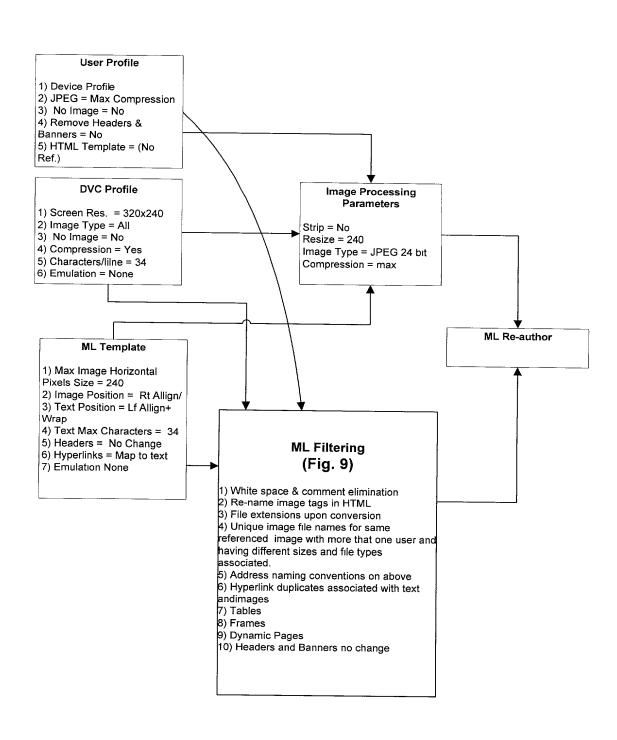
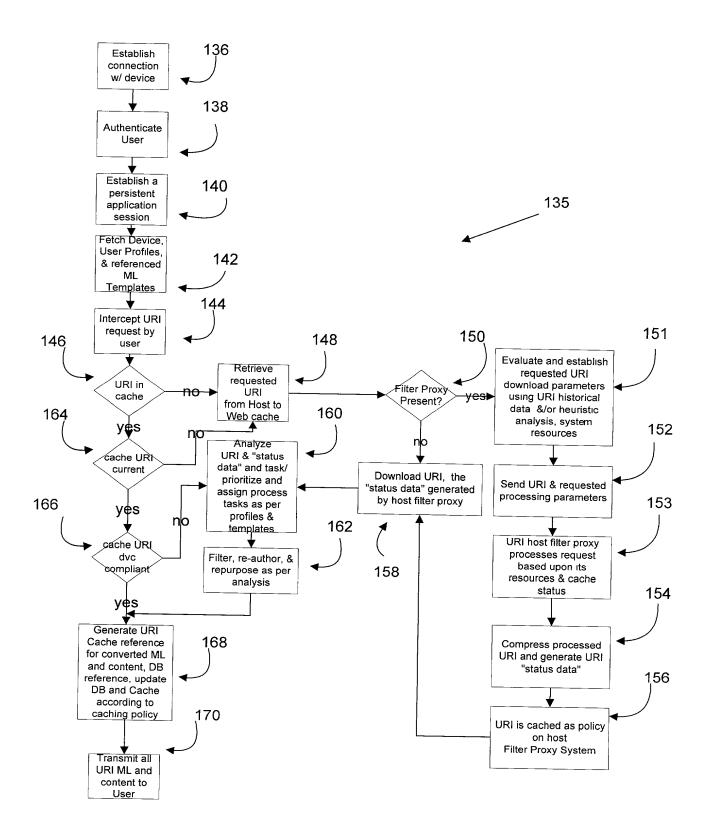


FIG. 8



Portion of HTML Executed & Displayed on Standard Computer System

The Tyler Zone #38

- It's time for football, tis the season to gamble. Tyler talks

point spreads with "a man" that knows the game. The Classic Rock is a big spread, that covers music from The Kinks to Led Zepplin. <u>This show is a good bet to</u> listen to. Filtered and re-authored HTML & image converted to gray scale positioned on left top. Duplicate hyperlink eliminated for PDA. Text bound to 34 characters with word wrap applied and device font applied to text. Device having 240x320 pixel screen and gray scale display capability.

The Tyler Zone
#38 - It's time for
football, tis the
season to gamble. Tyler talks
point spreads with "a man" that
knows the game. The Classic
Rock is a big spread, that covers
music from The Kinks to Led
Zepplin. This show is a good bet
to listen to.

Illustrative of a single piece of content that includes text, hyperlinks, and an image that are extracted from original HTML and the rendered results of the HTML being re-authored and the image re-purposed to conform to screen and device parameters defined in DVC & user Profile. Duplicate hyperlinks to the same URI represented as underlined text are reduced to one. Fig. 7 is illustrative of the parameters of the profiles and template and their relationships

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Filter & Re-author the HTML and content and convert to apporpriate ML using Template as defined by analysis using the Profiles & template

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Analysis

Analyze HTML based upon Device, User Profiles and Template to a) determine re-authoring and conversion of HTML to proper ML for presentation of content on device

b) task the processing to the filter proxy array

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HTML

<IMG D="Picture1" HEIGHT=60 WIDTH=80 SRC="./ imgyhyhyhyhyh.jpg" VSPACE=0 HSPACE=2 ALIGN="LEFT" BORDER=0><A HREF="http://www.my2clicks.com/rams/ tz38.ram"><B>The Tyler Zone #38</B></A> - It's time for football, tis the season to gamble. Tyler talks point spreads with "a man" that knows the game. The Classic Rock is a big spread, that covers music from The Kinks to Led Zepplin <A HREF="http://www.my2clicks.com/rams/tz38.ram">This show is a good bet to listen to.</a>

FIG. 11 (Prior Art)

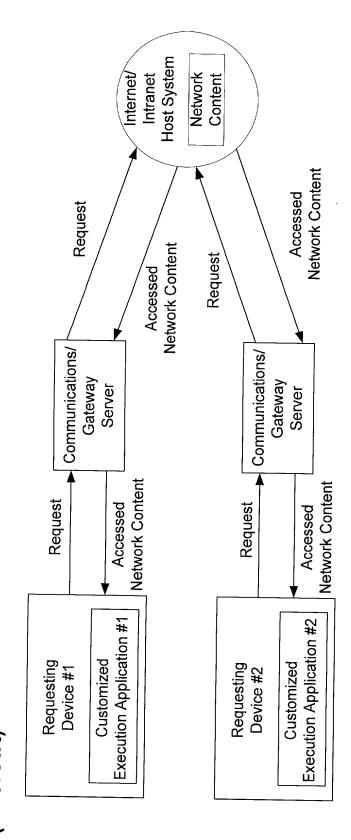


FIG. 12A

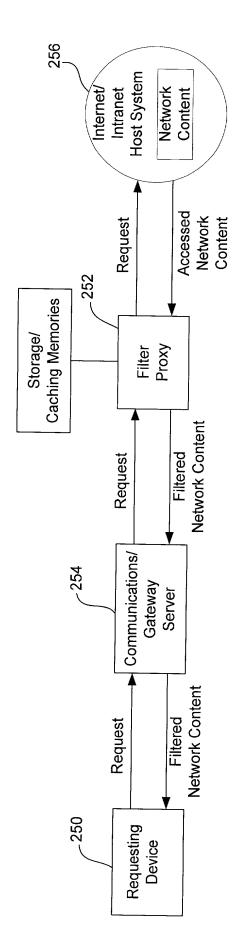


FIG. 12B

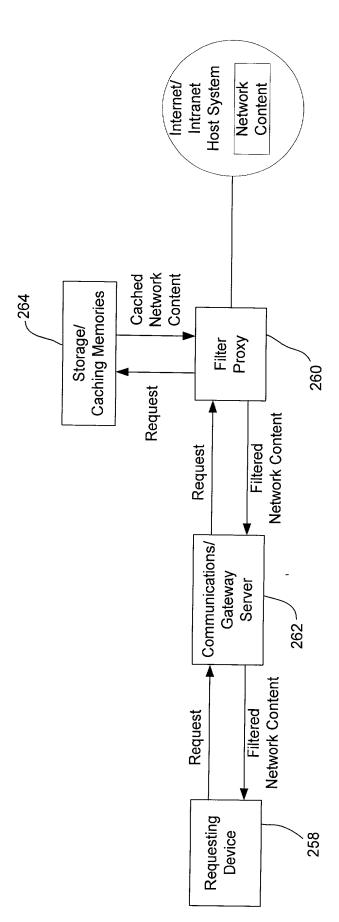


FIG. 12C

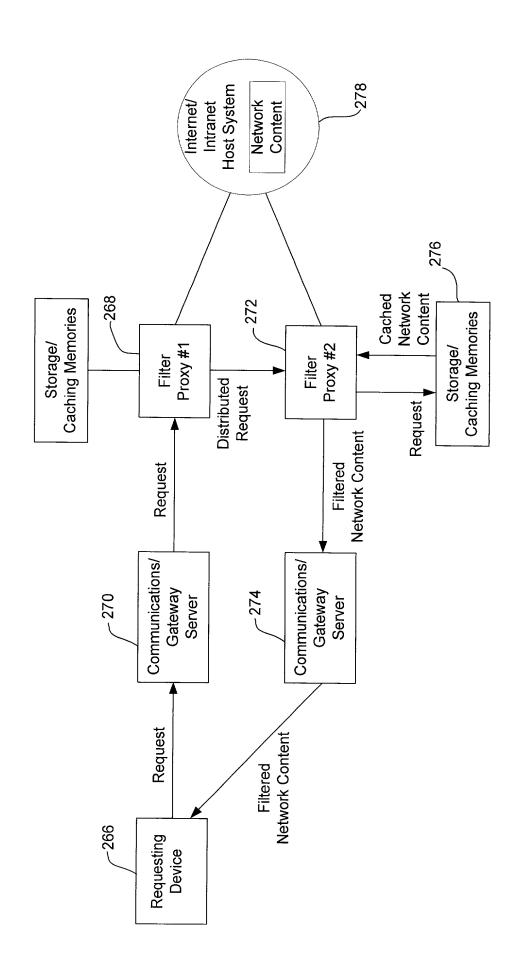


FIG. 12D

